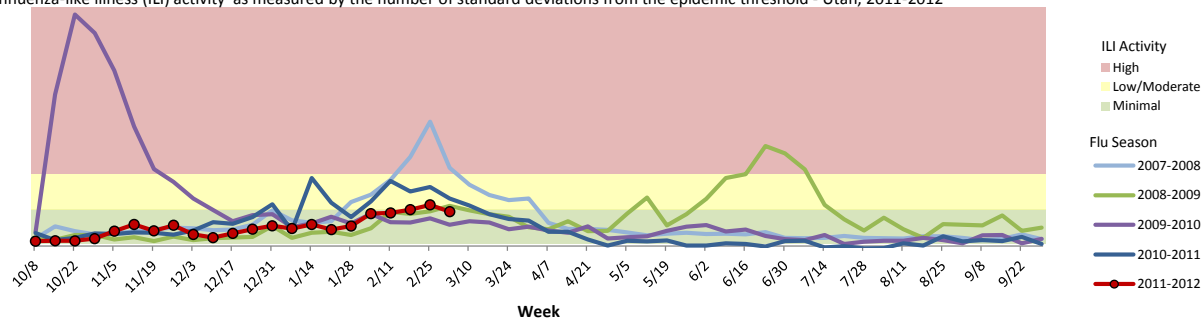


### Influenza-like Illness Activity

#### Weekly Influenza-like Illness Activity

Influenza-like illness (ILI) activity as measured by the number of standard deviations from the epidemic threshold - Utah, 2011-2012



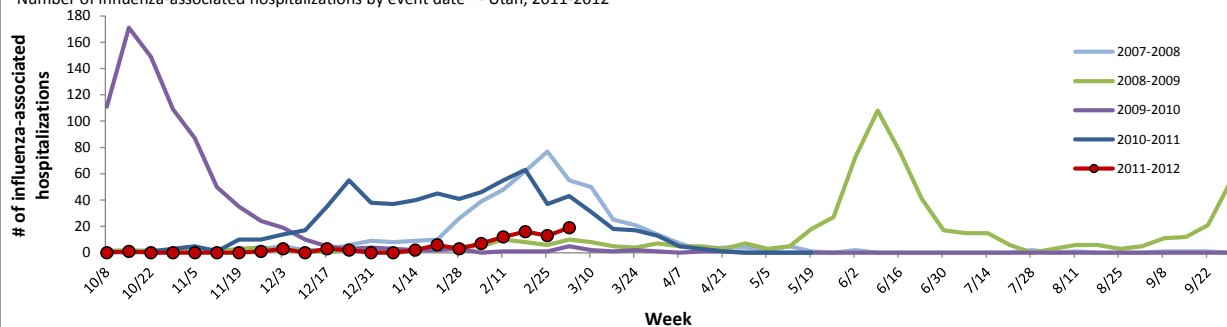
#### Influenza-like Illness (ILI) Activity Levels by Health District - Utah

Health District	ILI Activity
Bear River	Minimal
Central	Minimal
Davis	Minimal
Salt Lake	Low/Moderate
Southwest	Low/Moderate
Summit	Minimal
Tooele	Minimal
TriCounty	No Data
Utah	Low/Moderate
Wasatch	Minimal
Weber-Morgan	Minimal
State	Minimal

### Severity Measures

#### Influenza-associated Hospitalizations

Number of influenza-associated hospitalizations by event date\* - Utah, 2011-2012



\*Event date is calculated based on a hierarchy of dates: 1. onset date 2. specimen collection date 3. date reported to public health.

#### Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable		Number of cases	% of IAH cases	% in Utah pop	p value*
Sex	Male	49	55.7%	50.3%	0.3128
	Female	39	44.3%	49.7%	0.3128
	Unknown	0	0.0%	NA	--
Race	White, Not Hispanic	65	73.9%	82.0%	0.0457
	Hispanic	13	14.8%	11.6%	0.3505
	Native Hawaiian/Pacific Islander	5	5.7%	0.7%	<0.0001
	Black/African American	2	2.3%	0.9%	0.1910
	American Indian	0	0.0%	1.1%	0.3154
	Asian	3	3.4%	1.9%	0.2861
	Unknown	0	0.0%	NA	--

\*If a p value is  $\leq 0.05$ , there is a significant difference between the percentage seen in IAH and the general Utah population.

**Severity Measures, cont.**

**Cases of Influenza-associated Hospitalizations by Age Group, Utah, 2011-2012**

Age Group	Total Cases Season to Date	Percent of Cases	Cases/ 100,000 Population	New Cases in Past Week
0-4 years	17	19.3%	6.3	2
5-24 years	14	15.9%	1.5	2
25-49 years	19	21.6%	1.9	4
50-64 years	27	30.7%	6.7	9
65+ years	11	12.5%	4.5	2
Total	88	100%	3.1	19

**Influenza-associated Hospitalizations by Health District, 2011-2012 Season to Date**

Health District	Total Hospitalizations
Bear River	2
Central	5
Davis	3
Salt Lake	59
Southeastern	1
Southwest	2
Summit	4
Tooele	1
TriCounty	0
Utah	8
Wasatch	0
Weber-Morgan	3

**Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date**

Variable	Yes		No		Unknown	
	Number of Cases	% of cases	Number of Cases	% of cases	Number of Cases	% of cases
ICU	18	20.5%	62	70.5%	8	9.1%
Ventilator	7	8.0%	73	83.0%	8	9.1%
Died	2	2.3%	73	83.0%	13	14.8%
Neurological Symptoms	14	15.9%	67	76.1%	7	8.0%
Healthcare Worker	1	1.1%	71	80.7%	16	18.2%
Pregnant	2	2.3%	82	93.2%	4	4.5%
Heart Disorder	12	13.6%	67	76.1%	9	10.2%
Blood Disorder	1	1.1%	77	87.5%	10	11.4%
Kidney Disorder	6	6.8%	75	85.2%	7	8.0%
Metabolic Disorder	17	19.3%	62	70.5%	9	10.2%
Chronic Respiratory Disorder	26	29.5%	53	60.2%	9	10.2%
Immunosuppressed	9	10.2%	70	79.5%	9	10.2%
Neurological Disorder	14	15.9%	67	76.1%	7	8.0%
Seizure Disorder	4	4.5%	77	87.5%	7	8.0%
Bacterial Co-infection	3	3.4%	78	88.6%	7	8.0%
Obese**	10	16.4%	18	29.5%	33	54.1%
Morbidly Obese**	1	1.6%	27	44.3%	33	54.1%
Risk Factor***	69	78.4%	19	21.6%	0	0.0%
Vaccinated	24	27.3%	36	40.9%	28	31.8%

\*\*Obesity and morbid obesity is not considered for individuals under 18 years or pregnant women. Thus total counts will not equal the total number of influenza-associated hospitalizations

\*\*\*Risk factors for influenza include: persons < 5 years, persons ≥ 65 years, pregnant women, and persons with a chronic medical condition.

**Case Counts of Influenza-associated Hospitalizations, Utah, 2011-2012**

Case Status	Current Week	Current Week % of Cases	Season Total	Season % of Cases
Confirmed*	19	100.0%	83	94.3%
Probable**	0	0.0%	5	5.7%
Total	19	100.0%	88	100.0%

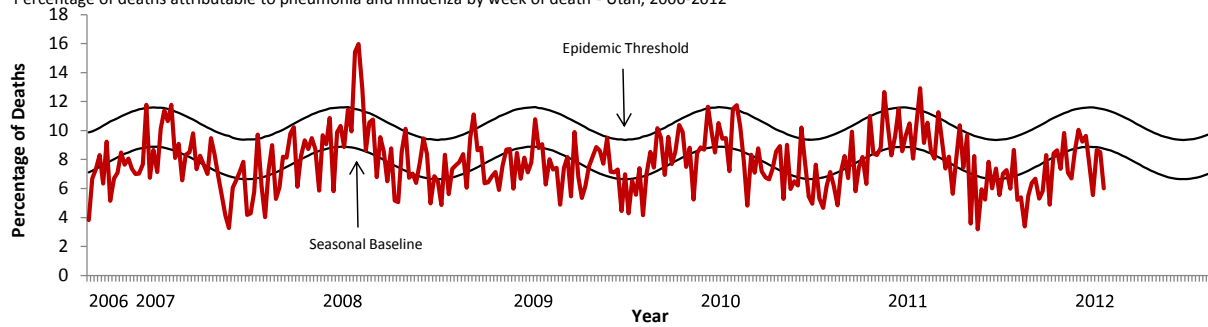
\*Confirmed= hospitalized with serology, DFA, PCR, or culture positive influenza test

\*\*Probable= hospitalized with a positive rapid test

### Pneumonia and Influenza Deaths

#### Pneumonia and Influenza Deaths

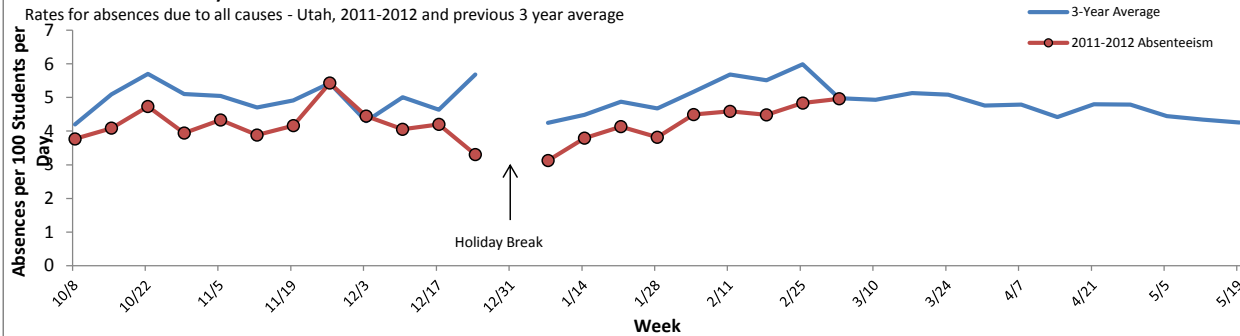
Percentage of deaths attributable to pneumonia and influenza by week of death - Utah, 2006-2012



### School Absenteeism

#### Student Absenteeism by Week

Rates for absences due to all causes - Utah, 2011-2012 and previous 3 year average



#### Weekly Student Absenteeism - Utah, 2011-2012

Health District	All absences per 100 students/day
Bear River	3.6
Central	7.0
Davis	2.0
Salt Lake	4.4
Southeast	5.7
Southwest	5.8
Summit	4.8
Tooele	6.0
TriCounty	4.8
Utah	2.6
Wasatch	4.6
Weber-Morgan	6.1
<b>State</b>	<b>5.0</b>

### Virologic Data

#### Unified State Laboratory: Public Health Virologic Data

	Season to-date		Current MMWR week	
	Number	Percent	Number	Percent
Specimens tested	518	--	80	--
Positive specimens	251	48.5%	57	71.3%
<b>Positive Specimens by Type/Subtype</b>				
Influenza A	246	98.0%	57	100.0%
A (2009 H1N1)	173	70.3%	39	68.4%
A (H1)	0	0.0%	0	0.0%
A (H3)	73	29.7%	18	31.6%
A (subtyping not performed)	0	0.0%	0	0.0%
A (unable to subtype)	0	0.0%	0	0.0%
Influenza B	5	2.0%	0	0.0%

#### Influenza Positive Tests

Influenza positive specimens tested by Unified State Laboratory: Public Health (USLPH) - Utah, 2011-2012

